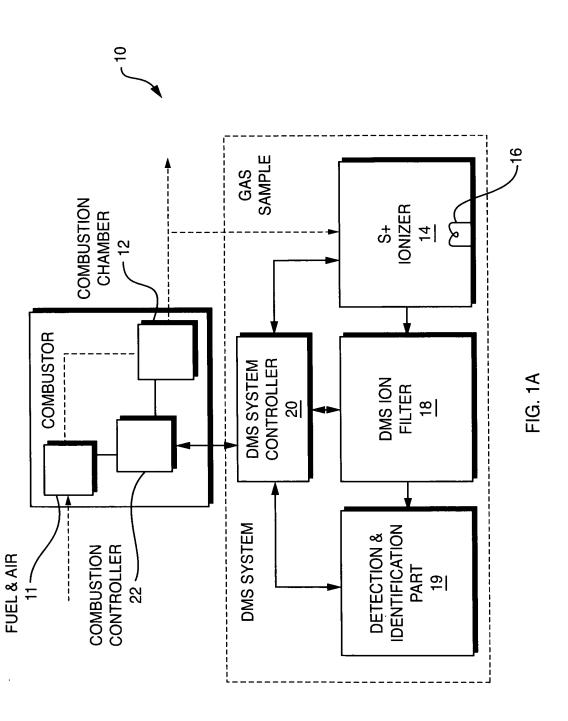
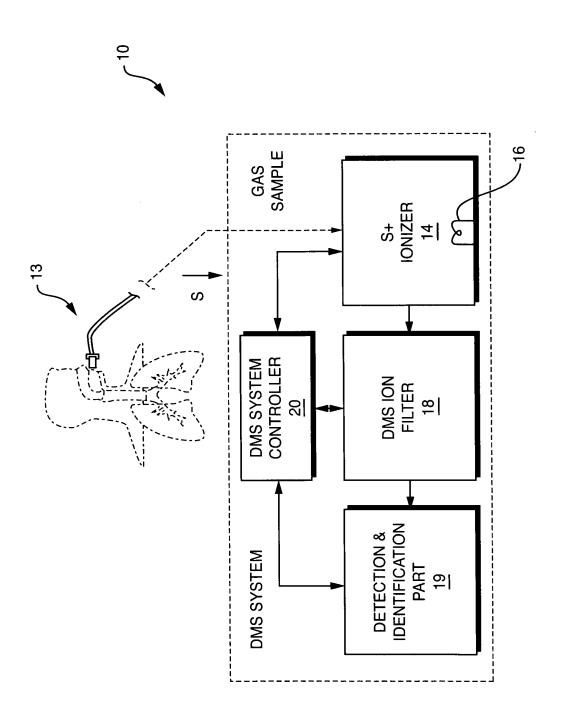


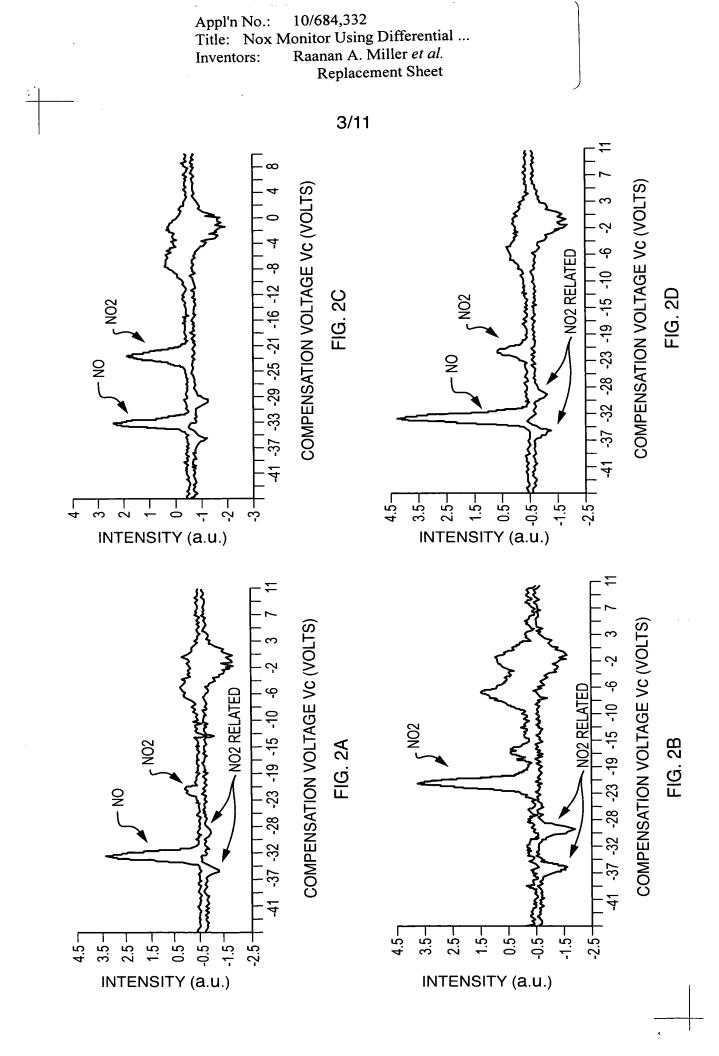
Appl'n No.: 10/684,332
Title: Nox Monitor Using Differential ...
Inventors: Raanan A. Miller et al.

Replacement Sheet



Appl'n No.: 10/684,332
Title: Nox Monitor Using Differential ...
Inventors: Raanan A. Miller et al.
Replacement Sheet





Title: Nox Monitor Using Differential ... Inventors: Raanan A. Miller et al.

Replacement Sheet

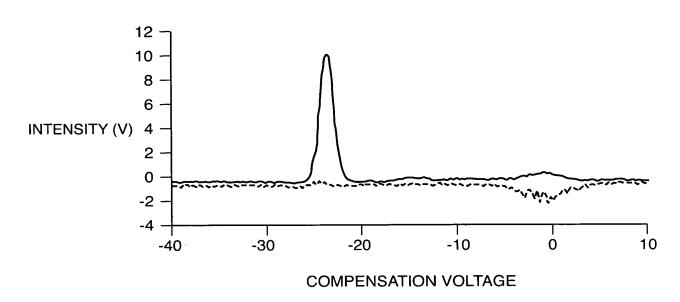
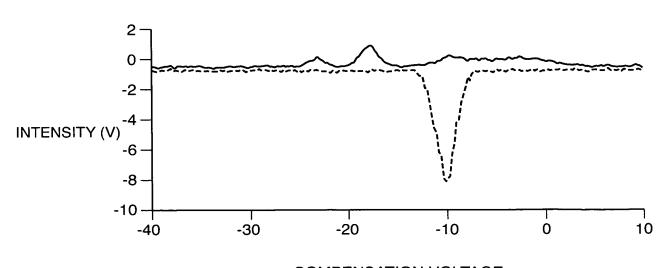


FIG. 3A



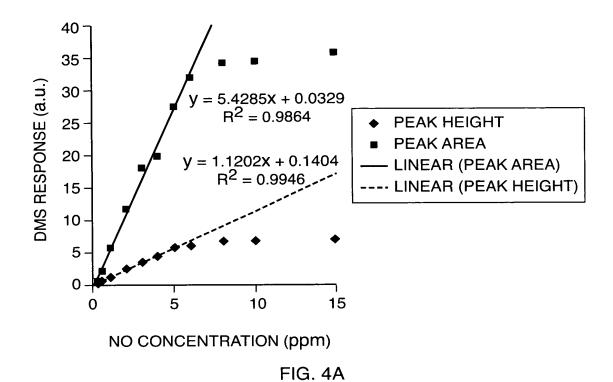
COMPENSATION VOLTAGE

FIG. 3B

Appl'n No.: 10/684,332
Title: Nox Monitor Using Differential ...
Inventors: Raanan A. Miller et al.

5/11

Replacement Sheet



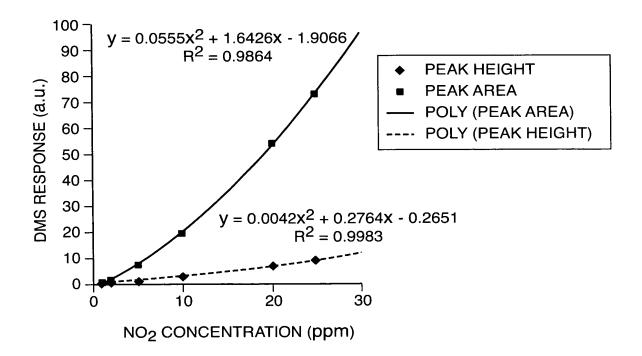
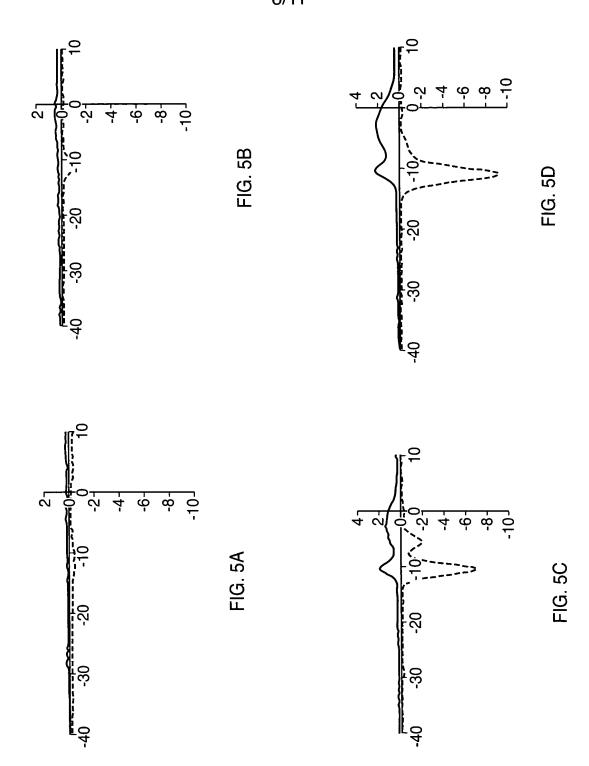
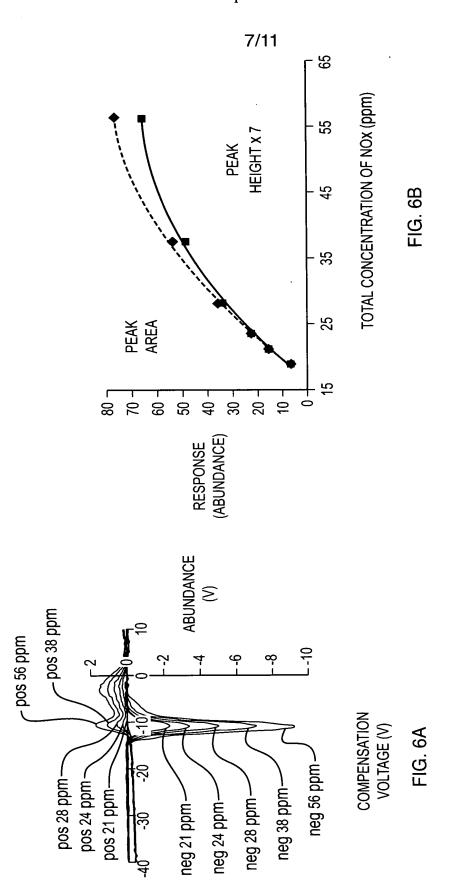


FIG. 4B

Title: Nox Monitor Using Differential ...
Inventors: Raanan A. Miller et al.
Replacement Sheet



Title: Nox Monitor Using Differential ...
Inventors: Raanan A. Miller et al.
Replacement Sheet



Title: Nox Monitor Using Differential ...
Inventors: Raanan A. Miller et al.
Replacement Sheet

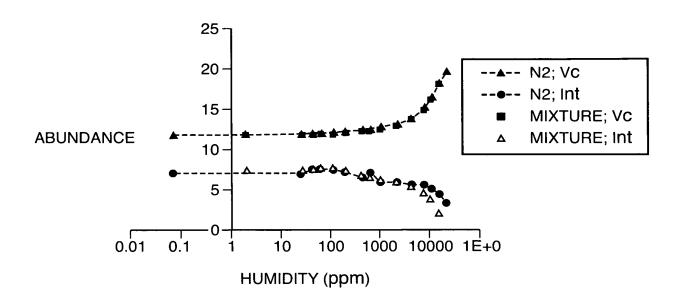


FIG. 7

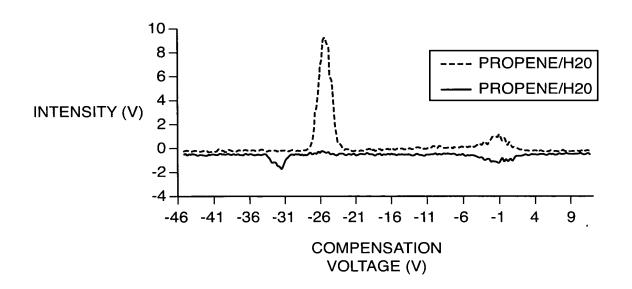


FIG. 8

Title: Nox Monitor Using Differential ... Inventors: Raanan A. Miller et al.

Replacement Sheet

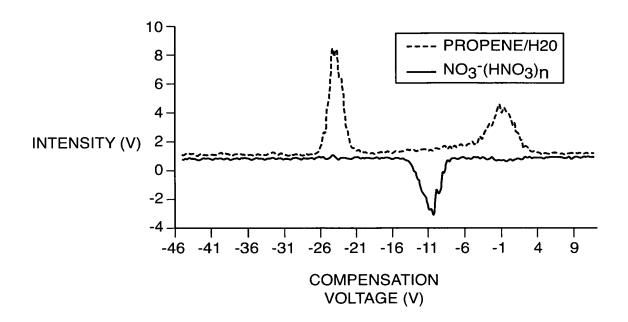


FIG. 9

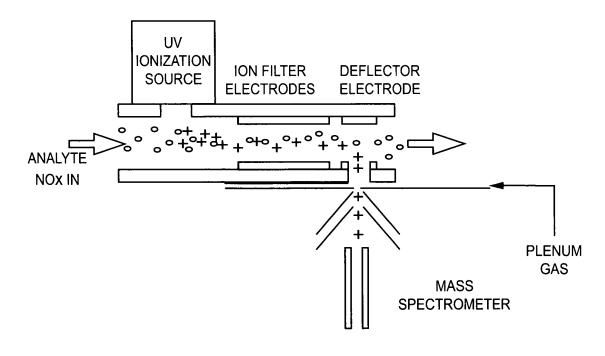
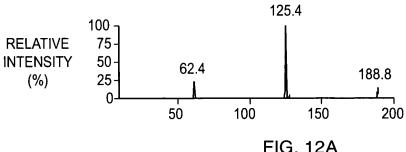


FIG. 10

Appl'n No.: 10/684,332 Title: Nox Monitor Using Differential ... Inventors: Raanan A. Miller et al. Replacement Sheet 10/11 37.0 630.000 100 75 #22 NO 30.2 50 55.0 25 0 200 50 100 150 FIG. 11A 37.0 100 #20. NO + O2 55.0 73.0 75 50 102 SAME AS NO2 30.0 91.0 25 0 200 50 100 150 FIG. 11B 91|102,109 100 #72 NO 75 **HIGH HUMIDITY** 1021¹²⁷.145 55.0 50 163 204 25 37.0 0 300 100 200 FIG. 11C 125.4 100 75 50 62.4 188.8 25 0 100 200 50 150 FIG. 12A



RELATIVE

INTENSITY

(%)

RELATIVE

INTENSITY

(%)

Re

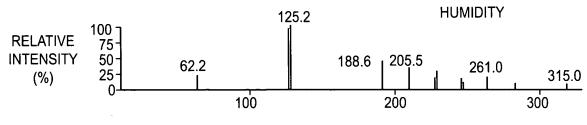


FIG. 12B

Appl'n No.: 10/684,332
Title: Nox Monitor Using Differential ...
Inventors: Raanan A. Miller et al. Replacement Sheet

r					<u> </u>	 -
	TOTAL AMOUNT	EI eV	EA eV	PA KJ/mol	POSITIVE IONS	NEGATIVE IONS
NITRIC OXIDES: NO NO2	200ppm	9.3 9.5	0.026 2.3	531 591	YES YES	NO YES
H2O	10%	12.6	-	691	NO	NO
OXYGEN	9%	12.06	0.45	421	NO	YES
CO2	5%	13.77	-0.6	540	NO	NO
HYDROCARBONS: METHANE PROPANE AND PROPENE	490ppm 625ppm	12.61 10.94 9.73	- - -	543 625 751	NO NO YES	NO NO NO
СО	300ppm	14.01	1.37	594	NO	YES
HYDROGEN	150ppm	15.4	•	422	NO	NO
ETHANE	10ppm	11.52	-	596	NO	NO
NITROGEN	BALANCE	15.58	-	493	NO	NO

FIG. 13